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File: DWPI

Jun 25, 1998

DERWENT-ACC-NO: 1998-349566

DERWENT-WEEK: 199833

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TITLE: Foamed films e.g. for hygiene articles, bedding or rainproof clothing - prepared by simultaneously co-extruding or extruding and foaming mixture of low density polyethylene or polypropylene, matting agent, propellant and additives

INVENTOR: DENGL, D; PICHL, R

PATENT-ASSIGNEE:

ASSIGNEE

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CODE

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PRIORITY-DATA: 1996DE-1053608 (December 20, 1996)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE <u>19653608</u> A1	June 25, 1998		004	C08L023/16

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
DE19653608A1	December 20, 1996	1996DE-1053608	

INT-CL (IPC): B29 C 44/30; B32 B 27/12; C08 J 5/18; C08 J 9/00; C08 K 13/00; C08 L 23/16; D06 N 7/00

ABSTRACTED-PUB-NO: DE19653608A

BASIC-ABSTRACT:

A film with a textile feel comprises a foamed layer or a carrier film laminated on one or both sides with a foamed layer. The foamed layer has a thickness of 5-200 μ m and comprises a mixture of low density polyethylene (LDPE) and/or very low density polyethylene (LLDPE) and/or polypropylene (PP) and contains 0.5-10 % propellant, up to 80 % matting agent and up to 10 % other standard additives. The carrier film with a thickness of 10-100 μ m, prepared by (co)extrusion, comprises LDPE, LLDPE and/or PP and also propellant, matting agent and other standard additives.

The preparation of these films by simultaneous (co)extrusion and foaming at 150-210 deg. C is also claimed.

USE - The films are used in hygiene articles, preferably plastic pants, nappies, panty liners or sanitary towels (claimed). Bedding, especially sheets, or rainproof clothing can also be made from these films.

ADVANTAGE - The soft, supple and textile feel of the films allows them to be worn next to the skin without the usual tacky or cold sensations normally associated with smooth films.

CHOSEN-DRAWING: D.j.0/0

TITLE-TERMS: FOAM FILM HYGIENE ARTICLE BEDDING RAIN CLOTHING PREPARATION SIMULTANEOUS
CO EXTRUDE EXTRUDE FOAM MIXTURE LOW DENSITY POLYETHYLENE POLYPROPYLENE MAT AGENT
PROPELLANT ADDITIVE

DERWENT-CLASS: A17 A32 A96 D22 F08 P73

CPI-CODES: A04-G02E; A04-G03E; A08-B01; A08-E02; A08-E03; A11-B06A; A12-S04A2;
A12-V03A; D09-C; F04-C01; F04-D01;

UNLINKED-DERWENT-REGISTRY-NUMBERS: 1541U; 1542U ; 1544U

ENHANCED-POLYMER-INDEXING:

Polymer Index [1.1] 018 ; R00326 G0044 G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D82 ;
S9999 S1309*R ; P1172 P1161 ; S9999 S1285*R Polymer Index [1.2] 018 ; R00326 G0044
G0033 G0022 D01 D02 D12 D10 D51 D53 D58 D82 ; H0011*R ; S9999 S1309*R ; P1252 ; S9999
S1285*R ; P1150 Polymer Index [1.3] 018 ; R00964 G0044 G0033 G0022 D01 D02 D12 D10 D51
D53 D58 D83 ; H0000 ; S9999 S1309*R ; S9999 S1285*R ; P1150 ; P1343 Polymer Index [1.4]
018 ; ND01 ; ND09 ; K9745*R ; K9574 K9483 ; K9687 K9676 ; K9698 K9676 ; K9712 K9676 ;
N9999 N5970*R ; N9999 N5981 N5970 ; N9999 N6086 ; N9999 N5936 N5914 ; K9927 ; B9999
B5243*R B4740 ; B9999 B4875 B4853 B4740 ; B9999 B5174 B5152 B4740 ; B9999 B3827 B3747 ;
B9999 B3930*R B3838 B3747 ; Q9999 Q8004 Q7987 ; Q9999 Q9325 ; Q9999 Q7056*R ; B9999
B3509 B3485 B3372 ; B9999 B3907 B3838 B3747 ; B9999 B4159 B4091 B3838 B3747 ; Q9999
Q7818*R Polymer Index [1.5] 018 ; A999 A260*R Polymer Index [1.6] 018 ; D00 G3452
R01278 F44 C* 4A O* 6A Ca 2A G3190 R01541 F80 Mg Si ; R01544 D00 F20 Al 3A O* 6A ;
R01694 D00 F20 O* 6A Si 4A ; A999 A237 ; A999 A088 A077

SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: C1998-108075
Non-CPI Secondary Accession Numbers: N1998-272823